



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
06.09.2000 Bulletin 2000/36

(51) Int Cl.7: **C12N 15/12, C07K 14/47,
C07K 16/18, G06F 17/30**

(21) Application number: **00200610.4**

(22) Date of filing: **21.02.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

• **Giordano, Jean-Yves**
75018 Paris (FR)

(30) Priority: **26.02.1999 US 122487 P**

(74) Representative: **Brasnett, Adrian Hugh et al**
Mewburn Ellis
York House
23 Kingsway
London WC2B 6HP (GB)

(71) Applicant: **GENSET**
75008 Paris (FR)

Remarks:

(72) Inventors:
• **Dumas Milne Edwards, Jean-Baptiste**
75006 Paris (FR)
• **Duclert, Aymeric**
94100 Saint-Maur (FR)

THE COMPLETE DOCUMENT INCLUDING
REFERENCE TABLES AND THE SEQUENCE
LISTING IS AVAILABLE ON CD-ROM FROM THE
EUROPEAN PATENT OFFICE, VIENNA
SUB-OFFICE.

(54) **Expressed sequence tags and encoded human proteins**

(57) The sequences of 5' ESTs derived from mRNAs encoding secreted proteins are disclosed. The 5' ESTs may be to obtain cDNAs and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used

in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.